Olin Car MP3 Player LM100 User's Manual

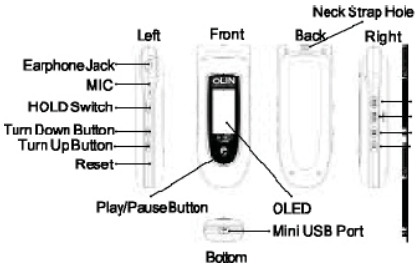
1. Introduction

Thank you for purchasing **Olin Car MP3 Player LM100**. Car MP3 Player is a new type of portable digital music player, perfectly combines digital music playing, FM transmission, recording, FM tuner and removable disk, etc.

1.1 Features

- FM transmission function
- Dichromatic OLED display
- Rechargeable battery
- Support intelligent (forced) charge
- Support MP3, WMA file
- Support A-B repeat, multiple sound/playback modes
- Synchronously Lyric (LRC file) display
- Perfectly combines MP3 Player with stereo set
- Built-in FM tuner
- Support VOICE (optional) and FM recording
- Built-in flash memory
- Effectively prevent misoperation with **HOLD** switch
- Built-in Mini USB port
- No driver installation required (except on Windows 98/98SE)

1.2 Functions and Buttons



REC Button

MODE Button/FM Transmission
Previous Button

Next Button

2.1 Connecting with the Computer

Car MP3 Player connects with the computer through USB cable. Connect standard port of USB cable to the computer, Mini port to Car MP3 Player.

2.2 Utilities Installation

Car MP3 Player Utilities includes Windows 98/98SE driver and Firmware tools.

The files are available for download at website www.olinstyle.com

2.3 Data Transferring

1) Boot your computer, connect Car MP3 Player with the computer.
2) The OLED screen displays "READY" to prompt the connection status after connected.
3) **Windows 98/98SE/Me/2000/XP/Server 2003**: Double click "My Computer", you would find an icon named "Removable Disk", representing Car MP3 Player. A new icon would appear at the taskbar on Windows Me/2000/XP/Server 2003, representing Car MP3 Player.

   Mac OS 10.2 or above (Mac OS 10.3.2 e.g.): A new icon named "NO_NAME" would appear on the desktop of your computer, representing Car MP3 Player.

   Linux 2.4.2 or above: Enter the system by user "root" and input the command "mount /dev/sda /mnt". This command is to create a directory where Car MP3 Player would be mounted.

   Note: *"sda" is an unfixed input item, please make relevant changes according to Linux operating discipline.*
4) Then you can copy, delete, or edit data, just as on a traditional hard disk.

2.4 Disconnecting

Please refer to the following steps to unplug Car MP3 Player after data transferring:

1) **Windows 98/98SE:** The OLED of Car MP3 Player would display "READY" when finished data transferring, then you can disconnect Car MP3 Player from USB port of the computer.
2) **Windows Me/2000/XP/Server 2003** (Windows 2000 e.g.): Click the icon at the taskbar,, click the prompt menu "Stop USB Mass Storage Device - Driver", and click "OK" in the pop-up window "The 'USB Mass Storage Device' device can now be safely removed from the system", then you can disconnect Car MP3 Player from the computer safely.
3) **Mac OS 10.2 or above** (Mac OS 10.3.2 e.g.): Select the icon representing Car MP3 Player, and click "File" to select "Exit NO NAME", then disconnect Car MP3 Player from the computer. ***Tips:*** *Drag Car MP3 Player icon into Trash, and then disconnect it from the computer.*
4) **Linux 2.4.2 or above:** Input the command "umount /mnt" before unplugging Car MP3 Player, The "/mnt" directory is corresponding with the "/mnt" mentioned above.

3. Basic Operations

3.1 Battery

Charge: You can charge the battery of Car MP3 Player by connecting it with the computer through USB cable, or connecting it with the cigar-lighter adapter of your car.

arge!

When using the battery, please pay attention to the following:

1) When start using Car MP3 Player, please fully charge and discharge for the battery about 2 ~ 3 times to ensure maximum battery life.
2) Please don't dispose Car MP3 Player into fire to avoid the battery exploding.
3) Please don't disassemble any part of Car MP3 Player, any unauthorized disassembling will cause

termination of Linophir official warranty.

3.2 Power On/Off

To power on Car MP3 Player, please hold **Play/Pause** button, Car MP3 Player enters MUSIC menu after power on. To power off Car MP3 Player, please hold **Play/Pause** button.

Car MP3 Player would power off automatically if no operation based upon preset time (Please refer to "4.5 SET -> Power Set" for details).

3.3 HOLD

This function is used to prevent the buttons from being operated accidentally. To lock all buttons please lock the **HOLD** switch, and the OLED prompts the lock status. To release the lock function, please unlock the **HOLD** switch. If the HOLD switch was open when power on, Car MP3 Player would power off automatically shortly after display "Key Hold", please unlock the **HOLD** switch and then power on again.

3.4 Reset

In case Car MP3 Player doesn't response to any operation, poke the Reset hole on the Car MP3 Player to reboot system. You need to restart Car MP3 Player after rebooting, the settings of Car MP3 Player would return to the last effective settings before rebooting and all files saved in Car MP3 Player may lose.

4. Usage of Car MP3 Player

Car MP3 Player includes the following menus: MUSIC, TRAN, VOICE (optional), FM, SET, DELETE, ABOUT and EXIT. The operations and settings would be introduced as the following.

- Press **MODE** button to enter the MAIN MENU of Car MP3 Player.
- Press **Previous/Next** button to select the menu.
- Press **MODE** button to enter.

The operations of FM recording and VOICE (optional) menu please refer to "4.3 RECORD".

4.1 MUSIC

- Play/Pause/Stop:

  Press Play/Pause button to play a track.

  Press Play/Pause button to pause the playing track.

  Hold Play/Pause button to stop playing in playing/pause status.

  Note: *Car MP3 Player can support 480 tracks/recorded files for al.*

- Rewind/Forward: Hold **Previous/Next** button to rewind or fast forward the track in playing/pause/stop status.
- Selecting Track: Press **Previous/Next** button to select the track in playing/pause/stop status.
- Turn up/down: Press**+/-** button to adjust the volume.
- A-B repeat: Press **REC** button twice to decide A(start) spot and B (end) spot while in playing status, Car MP3 Player would play the track between A and B repeatedly. Press **REC** button again to exit A-B repeat.

Note: *Car MP3 Player can't implement A-B repeat when the spare playing time is less than 3 seconds.*

- Lyric showing: Car MP3 Player would automatically search the lyric file (LRC format, you can make by yourself, download from Internet, etc.).
  1) Copy the track and the lyric file (LRC format) into the same folder.
  2) Make sure the name of the lyric file is the same as the name of the track, otherwise the lyric can't be displayed.
  3) Lyric will be shown synchronously in the Track Info / Lyric Shows area of the OLED during playing.

Tips:

1) *When there is VOICE menu in Car MP3 Player, Hold **REC** button to switch to VOICE menu in stop status of MUSIC menu.*
2) *Press **REC** button to switch play mode in stop status of MUSIC menu.*

4.2TRAN

Car MP3 Player can send the playing music to FM radio, so you can enjoy the music in Car MP3 Player through FM radio.

l **Operations of FM transmission** (FM radio on cars e.g.)

1) Open the FM radio of car, turn to the FM frequency in 88MHz ~ 90MHz. (Please choose the frequency without FM program for better effect.)
2) Connect the earphone or antenna (optional) with Car MP3 Player. Under MUSIC menu, hold button to enter transmission status. Under other menu, press **MODE** button to enter MAIN MENU, select and enter TRAN menu.
3) Press Play/Pause button to turn Car MP3 Player to playing/pause status, press **+/-** button to adjust the frequency, make it the same as the FM radio of car.
4) Now you can enjoy the music in Car MP3 Player through the FM radio of car.
5) Please refer to "4.1 MUSIC" for the operations of playing music, except for the operations of adjust the volume, please adjust the volume through the stereo set of car.

l **Exit FM transmission:** HOLD **MODE** button to exit FM transmission.

***Note:** The earphone can be used as antenna if you don't purchase the antenna.*

4.3 RECORD

1) Before recording, please refer to "4.5 SET" to set the parameters of recorded file.

Recorded Mode	**Source**
VOICE (optional)	MIC
FM	FM

2) **FM Recording:** Press **REC** button to record in Radio status.
   VOICE Recording (optional): Press **REC** button to record. Car MP3 Player can record via MIC, and play the recorded file(s) under VOICE (optional) menu.
3) Press Play/Pause button to pause/resume recording, and press **REC** button to end recording.
4) Car MP3 Player can rename and save for the recorded file when finish recording.

Locations for Saving	Playing Menu
"VOICE" folder under root directory	VOICE menu
"FM" folder under root directory	MUSIC menu

***Note:** It does not support A-B repeating during recorded files played.*

4.4 FM

Car MP3 Player can receive and record the FM programs under FM menu.

Press **MODE** button to switch among "Radio", "Scan", "Store" and "Exit" under FM menu. The Operations are as the following:

1) Radio: You can switch channel by pressing **Previous/Next** button, if there is more than one channel saved. Press **+/-** button to adjust the volume.
2) Scan: Car MP3 Player can save maximum 30 channels.
   Automatic Scanning: Press **Play/Pause** button to enter auto-scanning under Scan status, Car MP3 Player would save the searched channel in sequence automatically.

Manual Scanning: Press **Previous/Next** button to search channel ahead/backwards by 0.1MHz manual in receiving status.

3) Store: Press **Play/Pause** button to save channel(s), the OLED displays “Station Saved”.
4) Exit: Press **Play/Pause** button to return to MAIN MENU.

Note: *Car MP3 Player would search and save channel(s) automatically when enter FM menu for the first time. The earphone can be used as an antenna, connect it with Car MP3 Player would make better effect while searching channels.*

4.5 SET

- Press **Previous/Next** button to select the item, press **MODE** button to enter.
- Press **Previous/Next** button to set the value, press **MODE** button to confirm and return to SET menu.

You can set the following items in “SET” menu:

Items	**Descriptions**
EQ	There are 6 equalizer modes: NORMAL, ROCK, JAZZ, CLASSIC, POP, BASS.
Play Mode	There are 6 play modes: NORMAL, REPEAT ONE, REPEAT ALL, SHUFFLE, SHUF & REPE, INTRO. ***Note:*** *Under INTRO mode, you can switch to NORMAL mode by pressing* **Play/Pause** *button.*
Screen Savings	Car MP3 Player would start screen savings if there is no operation during the time which is set as 5, 10, 20, 30, 40, 50 seconds and ∞. You can press any button to exit the screen savings. ∞ presents the screen savings isn’t started.
Power Set	Car MP3 Player would power off automatically if there is no operation in stop status during the time which is set as DISABLE, 2MINS, 5MINS and 10MINS. DISABLE presents Car MP3 Player can not power off automatically.
Record Set	Press **Previous/Next** button to select item, and press **MODE** button to select value. **Source**: To set the source as MIC (optional) or FM . Press **Next** button to enter incoder value. **Encoder**: To set the encoder as IMADPCM, MSADPCM or PCM. Press **Next** button to enter Channel value. **Channel**: To set the channel as Stereo or Mono. Press **Next** button to enter Sample value. ***Note:*** *The Channel can be only set as Mono when Source is set as MIC.* **Sample**: To set the sample as 8000Hz, 11025Hz, 16000Hz, 22050Hz or 32000Hz. Press **Next:** button to enter Exit value. **Exit**: Press **MODE** button to exit Record Set menu.
Language	The display language of menu & lyric: ENGLISH&GBK, ENGLISH&BIG5, 中文&简体 (Simplified Chinese),中文&繁體 (Traditional Chinese) , ENGLISH&KOR, ENGLISH&JNP and ENGLISH&EUR, select EXIT (退出) to return to SET menu.
Exit	Select “Exit”, and press **MODE** button to return to MAIN MENU.

4.6 DELETE

- Press **MODE** button to enter, press button to select where the files you want to delete are in: Music or Voice (optional).

- Press **MODE** button to enter sub menu, press **Previous/Next** button to select “Yes” or “No”.
- Select “Yes”, and press **MODE** button to delete, the OLED would display “SUCCESS”.
- Select “No”, press **MODE** button to choose the file until last one.
- Select “Exit”, press **MODE** button to return to sub menu.

4.7 ABOUT

Press **MODE** button to enter to browse the system information, which includes VER (version), INT (the capacity of Car MP3 Player), FREE (the spare capacity). Press any button (except for **Play/Pause** button) to exit.

4.8 EXIT

Select “EXIT” in MAIN MENU, and press **MODE** button to exit MAIN MENU.

5. Others

5.1 Remarks

1. “V***.WAV/F***.WAV” are titles for VOICE (optional) and FM recorded files in Car MP3 Player. “*” presents as “0~9”.
2. It is suggested not to delete the system file named as “SETTINGS.DAT” under root directory of Car MP3 Player, because it saved the latest settings, otherwise the settings will be return to original settings when next power on.

5.2 Specifications

* The actual useable capacity may not be identical as labeled.

Linophir reserves the rights to make changes on any specification without prior notice.

Items	**Descriptions**	
Dimension	78.7mm x 32mm x 17.5mm	
Weight	31g approximately	
OLED	Dichromatic OLED (128 X 64)	
Capacity *	128MB ~ 1GB	
Power Supply	Powered by lithium battery, USB port or electrical adapter charged for it	
MP3, WMA	Earphone Output	11mW + 11mW, 32ohm
	MP3 Bit Rate	8Kbps ~ 320Kbps
	WMA Bit Rate	32Kbps ~ 192Kbps
	Frequency Response	20Hz ~ 20KHz
	Stereo Imbalance Degree	±0.5dB
	Stereo Separate Degree	>80dB
FM Transmission	Transmitting Frequency Range	88MHz ~ 90MHz
	Transmitting Power	<10mW, Effective Range: 5m
FM	Radio Frequency Range	76MHz ~ 108MHz
	Preservable Stations	30
Files Format	MP3, WMA	
Working Temperature	-10°C ~ 55°C	
Storage and Transportation	-40°C ~ 70°C	

Temperature	
Relative Humidity under Working	20% ~ 90% (40°C)
Relative Humidity under Storage and Transportation	20% ~ 90% (40°C)
Atmospheric Pressure	86 KPa ~ 106 KPa
Menu display Language	English, Simplified Chinese, Traditional Chinese
Computer	IBM PC, Compatible Notebook or Mac with USB port.
Operating System	Windows 98/98SE/Me/2000/XP/Server 2003, Mac OS 10.2 or above, Linux 2.4.2 or above.

5.3 FAQ

If you meet any of the following difficulties in using Car MP3 Player, use the following guide for help. Should any problem persist, contact with Linophir Customer Service.

Symptoms	**Possible Reasons Analysis**	**Remedy**
Fail to power on.	Low battery.	Charge battery.
Power off shortly after power on.	Low battery.	Charge battery.
	HOLD switch locked.	Unlock **HOLD** switch.
No sound output.	The volume is 0.	Turn up the volume.
	Earphone isn't connected well.	Connect earphone correctly.
Keystroke void.	**HOLD** switch locked.	Unlock the **HOLD** switch.
Fail to connect with the computer.	USB Cable isn't connected correctly.	Connect USB Cable correctly.
	Driver hasn't been installed on Windows 98/98SE.	Install the driver (refer to "2.2 Utilities Installation").
Fail to download		Check the system settings whether be accordance with requirements.
		Format Car MP3 Player and try again.
Cannot record.	Low battery.	Charge battery.
	Space insufficient.	Delete some files.

5.4 Warranty terms and conditions

Please refer to enclosed warranty card or Linophir website.

http://www.linophir.com.au

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